



National  
Aeronautics and  
Space  
Administration



Patent Application

LAR-16605-1  
(NASA Case No.)

## Declaration, Power of Attorney and Petition - Original Application

As a below named inventor, I hereby declare that: My residence, mailing address and citizenship, are stated below next to my name, I believe I am the original, first and sole inventor (*if only one name is listed below*) or an original, first and joint inventor (*if plural names are listed below*) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Energy-Extraction-Based Active Noise Control System

the specification of which ☐ is attached hereto, ☒ was filed on (Date) 12/09/2003

as Application Serial No. 10/731,742 and was amended (Date) \_\_\_\_\_

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Patent and Trademark Office all information which is known to me to be material to patentability as defined in 37 CFR §1.56.

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

\_\_\_\_\_, the status of which is ☐ patented, ☐ pending, ☐ abandoned.  
(Serial No.) (Filing Date)

I hereby claim priority benefits under Title 35, United States Code §119(e) of any United States Provisional Applications listed below:

\_\_\_\_\_, the status of which is pending.  
(Provisional Serial No.) (Filing Date)

POWER OF ATTORNEY: I hereby appoint the following attorney(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

☒ Registered practitioner(s) at Customer Number 23351, OR

☐ Registered practitioner(s) listed below:

_____ (Name)	_____ (Reg. No.)	_____ (Name)	_____ (Reg. No.)
_____ (Name)	_____ (Reg. No.)	_____ (Name)	_____ (Reg. No.)
_____ (Name)	_____ (Reg. No.)	_____ (Name)	_____ (Reg. No.)

ADDRESS ALL CORRESPONDENCE TO:

☒ Customer Number 23351, OR

☐ Correspondence Address listed below:

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DIRECT TELEPHONE CALLS TO:

Telephone (Complete number to be dialed from USPTO):

Barry V. Gibbens, 757-864-9260

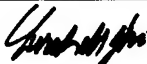
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Further, as a named inventor, I certify that the Government of the United States of America, as represented by the Administrator of the National Aeronautics and Space Administration has ☒ an assignment in, or ☐ license to the invention set forth in this application and has the irrevocable right to prosecute this application and to receive the patent.

Wherefore, I pray that Letters Patent be granted to me for this invention or discovery described and claimed in the foregoing specification a claims, and I hereby subscribe my name to the foregoing specification, claims, power of attorney and this petition.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001; and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

FULL NAME OF INVENTOR	LAST Kelkar	FIRST Atul	MIDDLE OR INITIAL
RESIDENCE AND CITIZENSHIP	CITY Ames	STATE OR FOREIGN COUNTRY IA	COUNTRY OF CITIZENSHIP USA
MAILING ADDRESS	STREET NO. AND NAME 3420 Honeysuckle Road	CITY AND STATE (OR COUNTRY) Ames, IA	ZIP CODE 50014
SIGNATURE			DATE

FULL NAME OF INVENTOR	LAST Joshi	FIRST Suresh	MIDDLE OR INITIAL M.
RESIDENCE AND CITIZENSHIP	CITY Hampton	STATE OR FOREIGN COUNTRY VA	COUNTRY OF CITIZENSHIP USA
MAILING ADDRESS	STREET NO. AND NAME 40 Diamond Hill Road	CITY AND STATE (OR COUNTRY) Hampton, VA	ZIP CODE 23666
SIGNATURE 			DATE 3/26/09

FULL NAME OF INVENTOR	LAST	FIRST	MIDDLE OR INITIAL
RESIDENCE AND CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP USA
MAILING ADDRESS	STREET NO. AND NAME	CITY AND STATE (OR COUNTRY)	ZIP CODE
SIGNATURE			DATE

FULL NAME OF INVENTOR	LAST	FIRST	MIDDLE OR INITIAL
RESIDENCE AND CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP USA
MAILING ADDRESS	STREET NO. AND NAME	CITY AND STATE (OR COUNTRY)	ZIP CODE
SIGNATURE			DATE



PATENT  
Attorney Docket No. 502469

COMBINED DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION  
AND POWER OF ATTORNEY

- ☐ Declaration Submitted with Initial Filing OR  
☒ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e)) required)

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name. I believe I am the original, first, and sole inventor (*if only one name is listed below*) or an original, first, and joint inventor (*if plural names are listed below*) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD AND SYSTEM TO PERFORM ENERGY-EXTRACTION BASED ACTIVE NOISE CONTROL

the specification of which:

- ☐ is attached hereto.  
☒ was filed on December 9, 2003 as Application No. 10/731,742.  
☐ was filed by Express Mail No. as Application No. not known yet, and was amended on  
(if applicable).  
☐ was filed on as PCT International Application No. PCT/ and was amended on  
(if any).

I state that I have reviewed and understand the contents of the specification identified above, including the claim(s), as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I claim foreign priority benefits under 35 USC 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application(s) designating at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application(s) for patent, utility model, design registration, inventor's or plant breeder's rights certificate(s), or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter and having a filing date before that of the application(s) from which the benefit of priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Claimed		Certified Copy Attached?	
			YES	NO	YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

In re Appln. of: Kelkar et al.  
Attorney Docket No.: 502469

As a named inventor, I hereby appoint Leydig, Voit & Mayer, Ltd. to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Customer Number:

23626

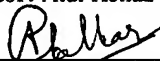
I further direct that correspondence concerning this application be directed to Leydig, Voit & Mayer, Ltd.:  
Customer Number:

23626

I declare that all statements made herein of my own knowledge are true, that all statements made on information and belief are believed to be true, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: Atul Kelkar

Inventor's signature



Date

April 9, 2004

Country of Citizenship: U.S.

Residence: 3420 Honeysuckle Road, Ames, IA 50014  
(city/state or country)

Post Office Address: Same as above  
(complete mailing address)